IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: **John Shanklin, et al.**

Application No.: **10/822,370**   Examiner: **T. Saidha**

Filing Date: **April 12, 2004**   Art Unit: **1652**

Confirmation No.: **2864**   Attorney Docket No.: **BSA 04-11**

Title: **MUTANT FATTY ACID DESATURASE AND METHODS FOR DIRECTED MUTAGENESIS**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

FILING FEE CORRECTION

On the date of filing, the Applicant noted that the following amount was to be charged to Deposit Account 02-3977:

Utility Filing Fee	$385
53 total claims (33 excess X $9)	$297
8 Independent Claims (5 excess X $43)	$215
Multiple Dependent Claim(s)	$140
Total	$1,037

It has come to our attention that this was calculated incorrectly. The correct calculation follows.

Correct calculation based on application as filed:

Utility Filing Fee	$385
62 total claims (42 excess X $9)	$378
8 Independent Claims (5 excess X $43)	$215
Multiple Dependent Claim(s)	$145
Total	**$1,123**

Amount charged to Deposit Account 02-3977 by The Office on 4/24/2004: $899.00

Deficiency owed: $224

1

The practitioner hereby avers that Applicant's payment errors were made without deceptive intent and request their excusal.

Please charge the amount of $224.00 to Deposit Account 023977. If any additional fees are due or any overpayment has been made, please charge or credit Deposit Account No. 02-3977 for such sum.

April 13, 2004

Registration No.:45,772

Telephone No.:(631) 344-7134

Signature of Practitioner

Christine L. Brakel
(Type Name of Practitioner)

Brookhaven National Laboratory
Office of Intellectual Property & Sponsored Research
PO Box 5000
Upton, New York 11973-5000

PATENT APPLICATION SERIAL NO. _____

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

04/14/2004 YPOLITE1 00000017 023977   10822370

01 FC:2001   385.00 DA
02 FC:2202   369.00 DA
03 FC:2203   145.00 DA

899.00

PTO-1556
(5/87)

PATENT APPLICATION FEE DETERMINATION RECORD
Effective October 1, 2003

Application or Docket Number

`10822370`

CLAIMS AS FILED - PART I

	(Column 1)	(Column 2)
TOTAL CLAIMS	59	
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	61 minus 20=	* 41
INDEPENDENT CLAIMS	2 minus 3 =	* 0
MULTIPLE DEPENDENT CLAIM PRESENT		☑

* If the difference in column 1 is less than zero, enter "0" in column 2

SMALL ENTITY TYPE ☐ **OR OTHER THAN SMALL ENTITY**

RATE	FEE		RATE	FEE
BASIC FEE	385.00	OR	BASIC FEE	770.00
XS 9=	369	OR	X$18=	
X43=		OR	X86=	
+145=	145	OR	+290=	
TOTAL	899	OR	TOTAL	

CLAIMS AS AMENDED - PART II

SMALL ENTITY OR OTHER THAN SMALL ENTITY

AMENDMENT A

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA
Total	*	Minus	**	=
Independent	*	Minus	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				☐

RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X$ 9=		OR	X$18=	
X43=		OR	X86=	
+145=		OR	+290=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

AMENDMENT B

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA
Total	*	Minus	**	=
Independent	*	Minus	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				☐

RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X$ 9=		OR	X$18=	
X43=		OR	X86=	
+145=		OR	+290=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

AMENDMENT C

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA
Total	*	Minus	**	=
Independent	*	Minus	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				☐

RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X$ 9=		OR	X$18=	
X43=		OR	X86=	
+145=		OR	+290=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."
***If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

MULTIPLE DEPENDENT CLAIM
FEE CALCULATION SHEET

SERIAL NO. 10822370 FILING DATE 4-12-04

APPLICANT(S)

CLAIMS

	AS FILED		AFTER 1ST AMENDMENT		AFTER 2ND AMENDMENT				IND	DEP	IND	DEP	IND	DEP
1	i						51		1				
2		1					52		i				
3		1					53		1				
4		1					54						
5		1					55						
6		1					56						
7		1					57						
8		1					58						
9							59						
10		4					60						
11		(1)					61						
12		(1)					62						
13		1					63						
14		1					64						
15		(1)					65						
16		(1)					66						
17		(1)					67						
18	i						68						
19		1					69						
20		1					70						
21		i					71						
22		4					72						
23		1					73						
24		1					74						
25		1					75						
26		1					76						
27		1					77						
28		1					78						
29		1					79						
30		1					80						
31		1					81						
32		1					82						
33		1					83						
34		1					84						
35		1					85						
36		1					86						
37		1					87						
38		1					88						
39		1					89						
40		1					90						
41		1					91						
42		1					92						
43		1					93						
44		1					94						
45		1					95						
46		1					96						
47		1					97						
48		1					98						
49		1					99						
50		1					100						
TOTAL IND.							TOTAL IND.	2					
TOTAL DEP.							TOTAL DEP.	59					
TOTAL CLAIMS							TOTAL CLAIMS	61					

Index of Claims

Index of Claims ‖‖‖‖‖‖‖‖‖	

Application/Control No.	Applicant(s)/Patent under Reexamination
10/822,370	SHANKLIN ET AL.
Examiner	**Art Unit**
Tekchand Saidha	1652

√	Rejected	—	(Through numeral) Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

Final	Original	10/23/06							Final	Original	10/23/06							Final	Original							
	1	√								51	N								101							
	2	√								52	N								102							
	3	√								53	N								103							
	4	√								54									104							
	5	√								55									105							
	6	√								56									106							
	7	√								57									107							
	8	√								58									108							
	9	√								59									109							
	10	√								60									110							
	11	O								61									111							
	12	O								62									112							
	13	O								63									113							
	14	O								64									114							
	15	O								65									115							
	16	O								66									116							
	17	O								67									117							
	18	N								68									118							
	19	N								69									119							
	20	N								70									120							
	21	N								71									121							
	22	N								72									122							
	23	N								73									123							
	24	N								74									124							
	25	N								75									125							
	26	N								76									126							
	27	N								77									127							
	28	N								78									128							
	29	N								79									129							
	30	N								80									130							
	31	N								81									131							
	32	N								82									132							
	33	N								83									133							
	34	N								84									134							
	35	N								85									135							
	36	N								86									136							
	37	N								87									137							
	38	N								88									138							
	39	N								89									139							
	40	N								90									140							
	41	N								91									141							
	42	N								92									142							
	43	N								93									143							
	44	N								94									144							
	45	N								95									145							
	46	N								96									146							
	47	N								97									147							
	48	N								98									148							
	49	N								99									149							
	50	N								100									150							